

Chapter 09

ALGEBRAIC EXPRESSION & IDENTITIES

Adding and Subtracting for any Negative Number:

Example:

$$3 \boxed{+} (-5) = \underline{\hspace{2cm}}$$

Solution:

Step- 1:

The first number is says where you start.

Step- 2:

Operation tells where you look, “+” Right (or) “-” left.

Step- 3:

Second number tells how far to move and in which direction positive forward (or) negative backward. Where you land is insert.

Explanation:

Step-1:

Draw a number line. Imagine a little boy stand on first number ‘3’.

Step-2:

The operation (+ & -) tell in which end of number line to look at. Since for adding a little boy look right towards positive (+) end.

Step-3:

The second number (-7) tells about move and which direction to move it, he move toward forward its positive,

move towards backward if its negative. Since our second number is '-5' so our little boy going to move backwards 5 spaces. Since he landed at '-2'. So insert '-2'.

$$\therefore \boxed{3 + (-5) = -2}$$

